	*				
FFFFFFFFFFFF	111	111	XXX	XXX	
FFFFFFFFFFFF	111	111	XXX	XXX	
FFFFFFFFFFFF	111	111	XXX	XXX	
FFF	111111	111111	XXX	XXX	
FFF	111111	111111	XXX	XXX	
FFF	111111	111111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFFFFFFF, FFF	- 111	111	XXX		
FFFFFFFFFF	111	111		XX	
FFFFFFFFFF	111	111		XX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111	111	XXX	XXX	
FFF	111111111	111111111	XXX	XXX	
FFF	111111111	111111111	XXX	XXX	
FFF	111111111	111111111	XXX	XXX	

_\$25

Symbolio Collino Colli

MAKE MAP MAP

MAP MARI MARI MARI MARI MARI

GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP		RRRRRRRR RR RR RR RR RR RR RR RR RR RR RRRRRR
	\$			

GE 1

VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[F11X.SRC]GETPTR.B32;1

MODULE GETPTR (

LANGUAGE (BLISS32), IDENT = 'VO4-000'

BEGIN

0009

0031 0032

0034 0035

0037

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FACILITY: F11ACP Structure Level 2

ABSTRACT:

This routine returns the value of a header map pointer.

ENVIRONMENT:

STARLET operating system, including privileged system services and internal exec routines.

AUTHOR: Andrew C. Goldstein, CREATION DATE: 21-Nov-1977 17:12

MODIFIED BY:

CDS0001 Christian D. Saether 31-July-1984
Define linkage in require file, remove local definition. V03-001 CDS0001

Andrew C. Goldstein, 26-Dec-1978 19:20 B0101 ACG0008 Skip placement pointers (for placement support)

B0100 ACG00001 Andrew C. Goldstein, 10-Oct-1978 20:00

GETR VO4-

0000

; Ro

```
D 13
16-Sep-1984 00:33:43
14-Sep-1984 12:30:29
GETPTR
V04-000
                                                                                                                           VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]GETPTR.B32;1
                      1055
1056
1057
1058
1059
1060
1061
1062
1063
                                 GLOBAL ROUTINE GET_MAP_POINTER : L_MAP_POINTER NOVALUE =
    FUNCTIONAL DESCRIPTION:
                                            This routine returns the contents of a file header map pointer and
                                            advances the map area pointer to the next map pointer.
                      1064
1065
1066
1067
1068
                                    CALLING SEQUENCE:
GET_MAP_POINTER ()
                                    INPUT PARAMETERS:
                      1069
                                            NONE
                       1071
                                    IMPLICIT INPUTS:
                                            R8 = address of header map pointer
                                    OUTPUT PARAMETERS:
                                            NONE
                                    IMPLICIT OUTPUTS:
                                            R6 = block count
R7 = starting LBN
                       1080
                       1081
                                    ROUTINE VALUE:
                                            NONE
                                    SIDE EFFECTS:
                      1085
                                            R8 advanced to next pointer (placement pointers are transparently skipped)
                                 BEGIN
                                 EXTERNAL REGISTER
                                                                  = 6. ! retrieval pointer block count
= 7. ! retrieval pointer start LBN
= 8 : REF BBLOCK; ! address of map pointer
                      1094
1095
                      1096
1097
                                   Determine the type of the map pointer and interpret it appropriately.
                      1098
                       1099
                                 IF .MAP_POINTER[FM2$V_FORMAT] EQL FM2$C_PLACEMENT THEN MAP_POINTER = .MAP_POINTER + FM2$C_LENGTHO;
                      1100
   112
113
114
115
116
117
                      1101
                      1102
1103
                                 CASE _MAP_POINTER[FM2$V_FORMAT] FROM 0 TO 3 OF SET
                      1104
1105
1106
1107
1108
1109
1110
                                       [FM2$C_PLACEMENT]:
                                                                   BEGIN
    118
119
                                                                   COUNT = 0:
                                                                   LBN = 0:
   120
121
122
                                                                   MAP_POINTER = .MAP_POINTER + 2;
                                                                   END:
```

```
E 13
16-Sep-1984 00:33:43
14-Sep-1984 12:30:29
GETPTR
V04-000
                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11x.SRC]GETPTR.B32;1
                                                                                           BEGIN
COUNT = .MAP_POINTER[FM2$B_COUNT1];
LBN<16,16> = .MAP_POINTER[FM2$V HIGHLBN];
LBN<0,16> = .MAP_POINTER[FM2$W_[OWLBN];
MAP_POINTER = .MAP_POINTER + 4;
COUNT = .COUNT + 1;
                              [FM2$C_FORMAT1]:
     12345678912334567891339
                                                                                            END:
                                                     [FM2$C_FORMAT2]:
                                                                                            BEGIN
                                                                                            COUNT = .MAP_POINTER[FM2$V COUNT2];

LBN = .MAP_POINTER[FM2$L LBN2];

MAP_POINTER = .MAP_POINTER + 6;

COUNT = .COUNT + 1;
                                                                                            END:
                                                     [FM2$C_FORMAT3]:
                                                                                            BEGIN
                                                                                            COUNT = (ROT (..MAP POINTER, 16) AND (1°30-1));

LBN = .MAP POINTER[FM2$L LBN3];

MAP POINTER = .MAP POINTER + 8;

COUNT = .COUNT + 1;
     140
     142
143
144
145
                                                                                            END:
                                                     TES:
     146
                                             END:
                                                                                                                           ! end of routine GET_MAP_POINTER
                                                                                                                                              .TITLE
                                                                                                                                                             GETPTR
                                                                                                                                                             \V04-000\
                                                                                                                                              .PSECT $CODE$, NOWRT, 2
                                                                                                             93 00000 GET_MAP_POINTER::
                                                                 CO
                                                                          8F
                                                                                            01
                                                                                                                                                                                                                                                      1100
                                                                                                                                                              1(MAP_POINTER), #192
                                                                                                             CO
EF
CF
                                                                                                     03
02
0E
51
                                                                                                                                              BNEQ
                                                                                                                                                             #2, MAP_POINTER
#14, #2, (MAP_POINTER), R1
R1, #0, #3
                                                                          58
02
00
                                                                                                                   00007
                                                                                                                                              ADDL2
                                                                                                                                                                                                                                                      1101
                                           68
03
0020
                    51
                                                                                                                  0000A 15:
                                                                                                                                              EXTZV
                                                                                                                                                                                                                                                      1103
                                                                                                                   0000F
                                                                                                                                              CASEL
                                                                                                                                                             3$-2$,-
4$-2$,-
5$-2$,-
6$-2$
                 002E
                                                                                                                   00013 28:
                                                                      000E
                                                                                                  8000
                                                                                                                                              .WORD
                                                                                                                  0001B 3$:
0001D
00020
                                                                                                             7C
CO
05
                                                                                                                                              CLRQ
                                                                                                                                                                                                                                                      1107
                                                                                                     56
02
                                                                                                                                                                                                                                                     1109
1103
1113
                                                                           58
                                                                                                                                              ADDL2
                                                                                                                                                             #2, MAP_POINTER
                                                                                                                                              RSB
                                                                                                                  00020
00021
00024
00029
0002E
00031
                                                                           56
06
10
57
                                                                                                     88
00
50
88
                                                                                                                                                             (MAP_POINTER)+, COUNT
#0, #6, (MAP_POINTER)+, RO
RO, #16, #16, LBN
(MAP_POINTER)+, LBN
                                                                                                             9A
                                                                                                                                              MOVZBL
                                                                                                             EF
FO
                                                                                                                                              EXTZV
                    50
                                               88
                                                                                                                                                                                                                                                      1114
                                                                                                                                              INSV
                                                                                                             B0
                                                                                                                                              MOVW
                                                                                                     1A
00
A8
05
                                                                                                                                              BRB
                                                                                                                                                            NO. W14, (MAP POINTER)+, COUNT
1(MAP POINTER), LBN
W5, MAP POINTER
                                                                                                                  00033 5$:
00038
0003C
0003F
00041 6$:
                                                                                                             EF
DO
CO
                                                                           0E
57
58
                     56
                                                88
                                                                                                                                              EXTZV
                                                                                            01
                                                                                                                                              MOVL
                                                                                                                                              ADDLZ
                                                                                                                                              BRB
                                                50
                                                                           88
                                                                                                                                              ROTL
                                                                                                                                                             #16, (MAP_POINTER)+, RO
```

: R

GETPTR V04-000					F 13 16-Sep-1 14-Sep-1	984 00:33: 984 12:30:	43	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[F11X.SRC]GE	Page (2
	56	50	1E 57	00 EF 0 88 DO 0 56 D6 0	0045 004A 004D 7\$:	EXTZV MOVL INCL RSB	#0, (MAP COUN	#30, RO, COUNT POINTER)+, LBN	: 112 : 113 : 113
; Routine	Size: 80 byte	s, Routine	Base: \$CODE\$	+ 0000					
148 149 150	1137 1 1138 1 1139 0	END ELUDOM							
			PSECT SUMMARY						
Nar	me	Bytes			Attribute	s			
\$CODE\$			80 NOVEC, NOW	RT, RD,	EXE, NOSHR	. LCL. R	REL,	CON, NOPIC, ALIGN(2)	
:		Librar	y Statistics						
Fil	le		Total	- Symbols Loaded	Percent	Pages Mapped	t	Processing Time	
_\$255\$DU	UA28:[SYSLIB]L	IB.L32;1	18619	29	0	1000		00:01.9	
:			COMMAND QUAL	IFIERS					
: BL	ISS/CHECK=(FIE	LD, INITIAL, OPT	IMIZE)/LIS=LIS	:GETPTR/	OBJ=OBJ\$:GE	TPTR MSRC\$: GETF	PTR/UPDATE=(ENHS:GETPTR)	
: Lines/CPU : Lexemes/U : Memory U	80 code : 00:08 Time: 00:19 U Min: 7722 CPU-Min: 26942 sed: 113 page ion Complete								

0170 AH-BT13A-SE

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